

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HCB01-4-BS35-ND-H-SM-SN-AW-GEN2.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 13142110.01 mod to gen 2
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 12/3/2019
 [MANUFAC] BARTCO LIGHTING INC
 [LUMCAT] HCB01-4-BS35-ND-H-SM-SN-AW
 [LUMINAIRE] White rectangular metal housing with diffuse plastic lens
 [LAMP] White LED array
 [BALLAST] One (1) Philips Advance XI040C110V054BST1
 [OTHER] 24.4 C, 120.088 V, 0.300296 A, 35.9453 W, 0.996761 PF, 59.989
 [MORE] Hz
 [OTHER] This test was performed using the calibrated photodetector met
 [MORE] hod of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3169
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	64
Total Luminaire Watts	49.41
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.67 ft
Luminous Width (90-270)	0.17 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	17984	17863	17552
55	16828	16740	16440
65	15605	15569	15282
75	14304	14196	13874
85	13256	12957	12412

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1212.624	1212.624	1212.624	1212.624	1212.624
0.5	1212.192	1209.168	1213.200	1215.072	1213.344
1.0	1211.904	1209.024	1213.056	1214.640	1213.200
1.5	1211.472	1208.736	1212.480	1214.064	1212.624
2.0	1211.184	1208.304	1211.904	1213.344	1212.048
2.5	1210.464	1207.728	1211.184	1212.480	1211.328
3.0	1209.888	1207.008	1210.032	1211.328	1210.320
3.5	1209.168	1206.144	1209.024	1210.032	1209.024
4.0	1208.160	1204.992	1207.728	1208.592	1207.872
4.5	1207.008	1203.840	1206.432	1207.008	1206.432
5.0	1206.144	1202.544	1204.848	1205.280	1204.560
5.5	1204.704	1201.248	1203.120	1203.408	1202.832
6.0	1203.264	1199.664	1201.392	1201.536	1200.528
6.5	1201.824	1197.936	1199.520	1199.520	1198.512
7.0	1199.952	1196.064	1197.504	1197.360	1195.632
7.5	1198.080	1194.048	1195.344	1195.056	1193.184
8.0	1195.920	1191.888	1193.184	1192.464	1190.592
8.5	1193.616	1189.584	1190.736	1190.016	1187.712
9.0	1191.312	1186.992	1188.144	1187.136	1185.120
9.5	1188.432	1184.400	1185.552	1184.400	1182.240
10.0	1185.840	1181.664	1182.528	1181.520	1179.216
10.5	1182.960	1178.928	1179.648	1178.352	1176.336
11.0	1180.080	1175.760	1176.480	1175.328	1173.312
11.5	1176.912	1172.736	1173.312	1172.160	1170.144
12.0	1173.312	1169.280	1169.856	1168.848	1166.976
12.5	1169.568	1165.824	1166.256	1165.104	1163.808
13.0	1165.536	1162.224	1162.656	1161.504	1160.352
13.5	1161.648	1158.336	1158.768	1157.760	1156.752
14.0	1157.472	1154.304	1154.880	1153.872	1152.864
14.5	1153.008	1150.272	1150.848	1149.984	1149.120
15.0	1148.976	1145.808	1146.672	1145.808	1144.944
15.5	1144.368	1141.632	1142.208	1141.488	1140.624
16.0	1139.904	1136.880	1137.888	1137.024	1136.016
16.5	1135.296	1132.416	1133.280	1132.416	1131.120
17.0	1130.544	1127.664	1128.672	1127.520	1126.224
17.5	1125.504	1122.768	1123.632	1122.624	1121.184
18.0	1120.608	1118.016	1118.592	1117.728	1115.712
18.5	1115.856	1112.976	1113.408	1112.256	1110.384
19.0	1110.672	1107.936	1108.224	1106.784	1104.768
19.5	1105.488	1102.608	1102.608	1101.024	1099.008
20.0	1100.160	1097.136	1097.280	1095.120	1092.816
20.5	1094.688	1091.952	1091.376	1089.072	1087.056
21.0	1089.216	1086.336	1085.616	1082.880	1080.864
21.5	1083.456	1080.576	1079.712	1076.544	1074.384
22.0	1077.840	1074.816	1073.664	1070.208	1067.904
22.5	1071.936	1068.912	1067.184	1063.584	1061.136
23.0	1066.176	1063.152	1060.992	1056.960	1054.512
23.5	1060.128	1057.104	1054.512	1050.048	1047.600
24.0	1053.936	1050.768	1047.888	1043.136	1040.544
24.5	1047.456	1044.288	1041.264	1036.368	1033.344
25.0	1040.976	1037.808	1034.496	1029.456	1026.144
25.5	1034.352	1031.184	1027.584	1022.400	1018.800
26.0	1027.728	1024.560	1020.672	1015.344	1011.600
26.5	1020.816	1017.648	1013.616	1008.000	1004.544

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CANDELA TABULATION - (Cont.)

27.0	1013.760	1010.736	1006.560	1000.800	997.344
27.5	1006.704	1003.680	999.360	993.600	989.856
28.0	999.360	996.624	992.016	986.256	982.512
28.5	992.304	989.424	984.672	979.056	975.312
29.0	984.960	982.224	977.328	971.568	968.256
29.5	977.328	974.736	969.840	964.368	960.912
30.0	970.128	967.248	962.352	956.736	953.424
30.5	962.064	959.760	954.864	949.392	945.936
31.0	954.432	952.272	947.232	941.760	938.592
31.5	946.656	944.640	939.744	934.272	930.816
32.0	938.736	936.864	931.968	926.352	923.472
32.5	930.960	929.088	924.336	918.576	915.552
33.0	923.184	921.168	916.560	910.944	907.776
33.5	915.120	913.248	908.784	902.880	899.712
34.0	907.200	905.472	901.152	894.816	891.648
34.5	899.136	897.552	893.232	886.896	883.440
35.0	891.216	889.632	885.312	878.688	875.376
35.5	883.296	881.712	877.392	870.480	867.312
36.0	875.232	873.648	869.472	862.128	858.672
36.5	867.024	865.728	861.264	853.776	850.464
37.0	858.960	857.664	853.200	845.424	842.112
37.5	850.896	849.744	845.136	836.928	833.760
38.0	842.832	841.536	836.928	828.432	825.264
38.5	834.768	833.328	828.720	819.936	816.624
39.0	826.560	825.264	820.368	811.440	808.128
39.5	818.208	816.912	811.872	802.944	799.632
40.0	809.856	808.848	803.520	794.448	790.848
40.5	801.504	800.496	795.168	785.952	782.640
41.0	793.008	792.144	786.528	777.600	774.144
41.5	784.512	783.792	778.320	769.104	765.936
42.0	776.016	775.440	769.824	760.608	757.296
42.5	767.520	766.944	761.328	752.256	748.944
43.0	758.880	758.592	752.976	743.760	740.592
43.5	750.096	750.096	744.480	735.408	732.096
44.0	741.456	741.456	736.128	726.912	723.456
44.5	732.960	733.104	727.632	718.416	715.104
45.0	724.176	724.464	719.280	710.064	706.752
45.5	715.248	715.968	710.640	701.712	698.544
46.0	706.752	707.472	702.144	693.360	689.904
46.5	697.824	698.688	693.792	685.008	681.552
47.0	689.184	690.192	685.008	676.656	673.200
47.5	680.112	681.552	676.656	668.304	664.848
48.0	671.760	672.912	668.016	659.664	656.496
48.5	663.120	664.272	659.520	651.312	648.144
49.0	654.480	655.632	650.736	642.816	639.936
49.5	645.840	646.992	642.096	634.320	631.584
50.0	637.200	638.496	633.744	625.824	623.088
50.5	628.560	629.568	625.248	617.328	614.736
51.0	619.920	621.072	616.608	608.688	606.096
51.5	610.992	612.432	607.680	600.192	597.744
52.0	602.352	603.648	599.040	591.552	588.960
52.5	593.712	595.008	590.256	582.768	580.464
53.0	584.928	586.368	581.616	574.272	571.968
53.5	576.288	577.584	572.832	565.488	563.184
54.0	567.360	568.800	564.048	556.848	554.544
54.5	558.288	560.160	555.408	548.208	545.904

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55.0	549.648	551.232	546.768	539.568	536.976
55.5	540.864	542.592	537.984	530.928	528.480
56.0	531.648	533.808	529.200	522.144	519.840
56.5	522.720	525.024	520.704	513.792	510.912
57.0	513.792	516.096	511.920	505.008	502.128
57.5	505.008	507.456	503.280	496.512	493.632
58.0	496.080	498.672	494.640	487.872	484.992
58.5	487.440	489.888	486.144	479.376	476.640
59.0	478.656	481.248	477.216	470.736	468.144
59.5	470.016	472.320	468.720	462.096	459.648
60.0	461.376	463.536	460.080	453.600	451.296
60.5	452.880	454.896	451.296	445.248	442.800
61.0	444.096	446.256	442.656	436.752	434.304
61.5	435.600	437.472	434.304	428.256	426.096
62.0	427.104	428.832	425.808	419.904	417.744
62.5	418.608	420.192	417.168	411.408	409.104
63.0	409.968	411.552	408.672	403.200	401.040
63.5	401.472	402.912	400.176	394.704	392.688
64.0	392.976	394.416	391.680	386.208	384.336
64.5	384.192	385.776	383.040	378.144	376.128
65.0	375.552	377.136	374.688	369.648	367.776
65.5	367.056	368.640	366.192	361.440	359.424
66.0	358.560	360.144	357.840	353.088	350.928
66.5	349.776	351.792	349.344	344.736	342.576
67.0	341.424	343.296	340.848	336.384	334.368
67.5	332.784	334.944	332.352	328.176	325.872
68.0	324.288	326.592	324.144	319.824	317.520
68.5	315.792	318.240	315.648	311.472	309.168
69.0	307.440	309.888	307.296	303.120	300.960
69.5	299.088	301.536	299.088	294.768	292.608
70.0	290.880	293.184	290.592	286.560	284.256
70.5	282.960	284.976	282.384	278.208	276.048
71.0	274.608	276.768	274.032	270.000	267.984
71.5	266.688	268.416	265.680	261.648	259.632
72.0	258.336	260.352	257.472	253.440	251.568
72.5	249.840	252.000	249.264	245.376	243.360
73.0	242.064	243.648	240.912	237.312	235.440
73.5	234.144	235.584	232.848	229.392	227.808
74.0	226.368	227.808	224.928	221.616	219.888
74.5	218.592	219.744	217.152	213.840	212.256
75.0	210.816	212.112	209.232	206.064	204.480
75.5	203.040	204.336	201.456	198.432	197.136
76.0	195.408	196.560	193.824	190.944	189.504
76.5	187.776	188.928	186.048	183.456	181.872
77.0	180.144	181.296	178.560	175.968	174.384
77.5	172.512	173.808	171.216	168.768	166.896
78.0	165.024	166.320	163.584	161.280	159.552
78.5	157.536	158.976	156.240	153.936	152.208
79.0	150.192	151.488	148.896	146.880	145.152
79.5	142.790	144.144	141.624	139.550	137.822
80.0	135.504	136.872	134.381	132.336	130.824
80.5	128.232	129.485	127.195	125.194	123.595
81.0	121.104	122.328	120.082	118.152	116.539
81.5	114.034	115.085	113.011	111.053	109.512
82.0	106.920	107.914	105.912	103.997	102.442
82.5	99.893	100.714	98.870	96.941	95.501

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CANDELA TABULATION - (Cont.)

83.0	92.880	93.629	91.771	90.058	88.762
83.5	86.069	86.544	84.874	83.088	81.950
84.0	79.301	79.618	77.933	76.147	75.197
84.5	72.533	72.547	71.165	69.379	68.299
85.0	65.794	65.736	64.310	62.453	61.603
85.5	59.112	58.896	57.485	55.786	54.907
86.0	52.517	52.056	50.789	49.090	48.398
86.5	45.763	45.403	44.179	42.509	41.818
87.0	39.254	38.779	37.469	35.870	35.266
87.5	32.573	32.170	30.960	29.491	28.901
88.0	25.906	25.646	24.523	22.882	22.349
88.5	19.339	19.181	18.144	16.589	16.157
89.0	12.845	13.464	12.240	10.742	10.181
89.5	6.768	8.582	7.474	6.394	5.760
90.0	0.000	0.000	0.000	0.000	0.000
90.5	0.000	0.000	0.000	0.000	0.000
91.0	0.000	0.000	0.000	0.000	0.000
91.5	0.000	0.000	0.000	0.000	0.000
92.0	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000
93.0	0.000	0.000	0.000	0.000	0.000
93.5	0.000	0.000	0.000	0.000	0.000
94.0	0.000	0.000	0.000	0.000	0.000
94.5	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000
95.5	0.000	0.000	0.000	0.000	0.000
96.0	0.000	0.000	0.000	0.000	0.000
96.5	0.000	0.000	0.000	0.000	0.000
97.0	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000
98.0	0.000	0.000	0.000	0.000	0.000
98.5	0.000	0.000	0.000	0.000	0.000
99.0	0.000	0.000	0.000	0.000	0.000
99.5	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000
100.5	0.000	0.000	0.000	0.000	0.000
101.0	0.000	0.000	0.000	0.000	0.000
101.5	0.000	0.000	0.000	0.000	0.000
102.0	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000
103.0	0.000	0.000	0.000	0.000	0.000
103.5	0.000	0.000	0.000	0.000	0.000
104.0	0.000	0.000	0.000	0.000	0.000
104.5	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000
105.5	0.000	0.000	0.000	0.000	0.000
106.0	0.000	0.000	0.000	0.000	0.000
106.5	0.000	0.000	0.000	0.000	0.000
107.0	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000
108.0	0.000	0.000	0.000	0.000	0.000
108.5	0.000	0.000	0.000	0.000	0.000
109.0	0.000	0.000	0.000	0.000	0.000
109.5	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000
110.5	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

111.0	0.000	0.000	0.000	0.000	0.000
111.5	0.000	0.000	0.000	0.000	0.000
112.0	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000
113.0	0.000	0.000	0.000	0.000	0.000
113.5	0.000	0.000	0.000	0.000	0.000
114.0	0.000	0.000	0.000	0.000	0.000
114.5	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000
115.5	0.000	0.000	0.000	0.000	0.000
116.0	0.000	0.000	0.000	0.000	0.000
116.5	0.000	0.000	0.000	0.000	0.000
117.0	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000
118.0	0.000	0.000	0.000	0.000	0.000
118.5	0.000	0.000	0.000	0.000	0.000
119.0	0.000	0.000	0.000	0.000	0.000
119.5	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000
120.5	0.000	0.000	0.000	0.000	0.000
121.0	0.000	0.000	0.000	0.000	0.000
121.5	0.000	0.000	0.000	0.000	0.000
122.0	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000
123.0	0.000	0.000	0.000	0.000	0.000
123.5	0.000	0.000	0.000	0.000	0.000
124.0	0.000	0.000	0.000	0.000	0.000
124.5	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000
125.5	0.000	0.000	0.000	0.000	0.000
126.0	0.000	0.000	0.000	0.000	0.000
126.5	0.000	0.000	0.000	0.000	0.000
127.0	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000
128.0	0.000	0.000	0.000	0.000	0.000
128.5	0.000	0.000	0.000	0.000	0.000
129.0	0.000	0.000	0.000	0.000	0.000
129.5	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000
130.5	0.000	0.000	0.000	0.000	0.000
131.0	0.000	0.000	0.000	0.000	0.000
131.5	0.000	0.000	0.000	0.000	0.000
132.0	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000
133.0	0.000	0.000	0.000	0.000	0.000
133.5	0.000	0.000	0.000	0.000	0.000
134.0	0.000	0.000	0.000	0.000	0.000
134.5	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000
135.5	0.000	0.000	0.000	0.000	0.000
136.0	0.000	0.000	0.000	0.000	0.000
136.5	0.000	0.000	0.000	0.000	0.000
137.0	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000
138.0	0.000	0.000	0.000	0.000	0.000
138.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HCB01-4-BS35-ND-H-SM-SN-AW-GEN2.IES

CANDELA TABULATION - (Cont.)

139.0	0.000	0.000	0.000	0.000	0.000
139.5	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000
140.5	0.000	0.000	0.000	0.000	0.000
141.0	0.000	0.000	0.000	0.000	0.000
141.5	0.000	0.000	0.000	0.000	0.000
142.0	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000
143.0	0.000	0.000	0.000	0.000	0.000
143.5	0.000	0.000	0.000	0.000	0.000
144.0	0.000	0.000	0.000	0.000	0.000
144.5	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000
145.5	0.000	0.000	0.000	0.000	0.000
146.0	0.000	0.000	0.000	0.000	0.000
146.5	0.000	0.000	0.000	0.000	0.000
147.0	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000
148.0	0.000	0.000	0.000	0.000	0.000
148.5	0.000	0.000	0.000	0.000	0.000
149.0	0.000	0.000	0.000	0.000	0.000
149.5	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000
150.5	0.000	0.000	0.000	0.000	0.000
151.0	0.000	0.000	0.000	0.000	0.000
151.5	0.000	0.000	0.000	0.000	0.000
152.0	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000
153.0	0.000	0.000	0.000	0.000	0.000
153.5	0.000	0.000	0.000	0.000	0.000
154.0	0.000	0.000	0.000	0.000	0.000
154.5	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000
155.5	0.000	0.000	0.000	0.000	0.000
156.0	0.000	0.000	0.000	0.000	0.000
156.5	0.000	0.000	0.000	0.000	0.000
157.0	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000
158.0	0.000	0.000	0.000	0.000	0.000
158.5	0.000	0.000	0.000	0.000	0.000
159.0	0.000	0.000	0.000	0.000	0.000
159.5	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000
160.5	0.000	0.000	0.000	0.000	0.000
161.0	0.000	0.000	0.000	0.000	0.000
161.5	0.000	0.000	0.000	0.000	0.000
162.0	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000
163.0	0.000	0.000	0.000	0.000	0.000
163.5	0.000	0.000	0.000	0.000	0.000
164.0	0.000	0.000	0.000	0.000	0.000
164.5	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000
165.5	0.000	0.000	0.000	0.000	0.000
166.0	0.000	0.000	0.000	0.000	0.000
166.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HCB01-4-BS35-ND-H-SM-SN-AW-GEN2.IES

CANDELA TABULATION - (Cont.)

167.0	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000
168.0	0.000	0.000	0.000	0.000	0.000
168.5	0.000	0.000	0.000	0.000	0.000
169.0	0.000	0.000	0.000	0.000	0.000
169.5	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000
170.5	0.000	0.000	0.000	0.000	0.000
171.0	0.000	0.000	0.000	0.000	0.000
171.5	0.000	0.000	0.000	0.000	0.000
172.0	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000
173.0	0.000	0.000	0.000	0.000	0.000
173.5	0.000	0.000	0.000	0.000	0.000
174.0	0.000	0.000	0.000	0.000	0.000
174.5	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000
175.5	0.000	0.000	0.000	0.000	0.000
176.0	0.000	0.000	0.000	0.000	0.000
176.5	0.000	0.000	0.000	0.000	0.000
177.0	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000
178.0	0.000	0.000	0.000	0.000	0.000
178.5	0.000	0.000	0.000	0.000	0.000
179.0	0.000	0.000	0.000	0.000	0.000
179.5	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HCB01-4-BS35-ND-H-SM-SN-AW-GEN2.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	437.23	N.A.	13.80
0-30	913.10	N.A.	28.80
0-40	1466.00	N.A.	46.30
0-60	2507.07	N.A.	79.10
0-80	3098.04	N.A.	97.80
0-90	3168.83	N.A.	100.00
10-90	3054.57	N.A.	96.40
20-40	1028.77	N.A.	32.50
20-50	1582.28	N.A.	49.90
40-70	1410.69	N.A.	44.50
60-80	590.97	N.A.	18.60
70-80	221.35	N.A.	7.00
80-90	70.79	N.A.	2.20
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3168.83	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	114.26
10-20	322.96
20-30	475.87
30-40	552.90
40-50	553.51
50-60	487.57
60-70	369.62
70-80	221.35
80-90	70.79
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

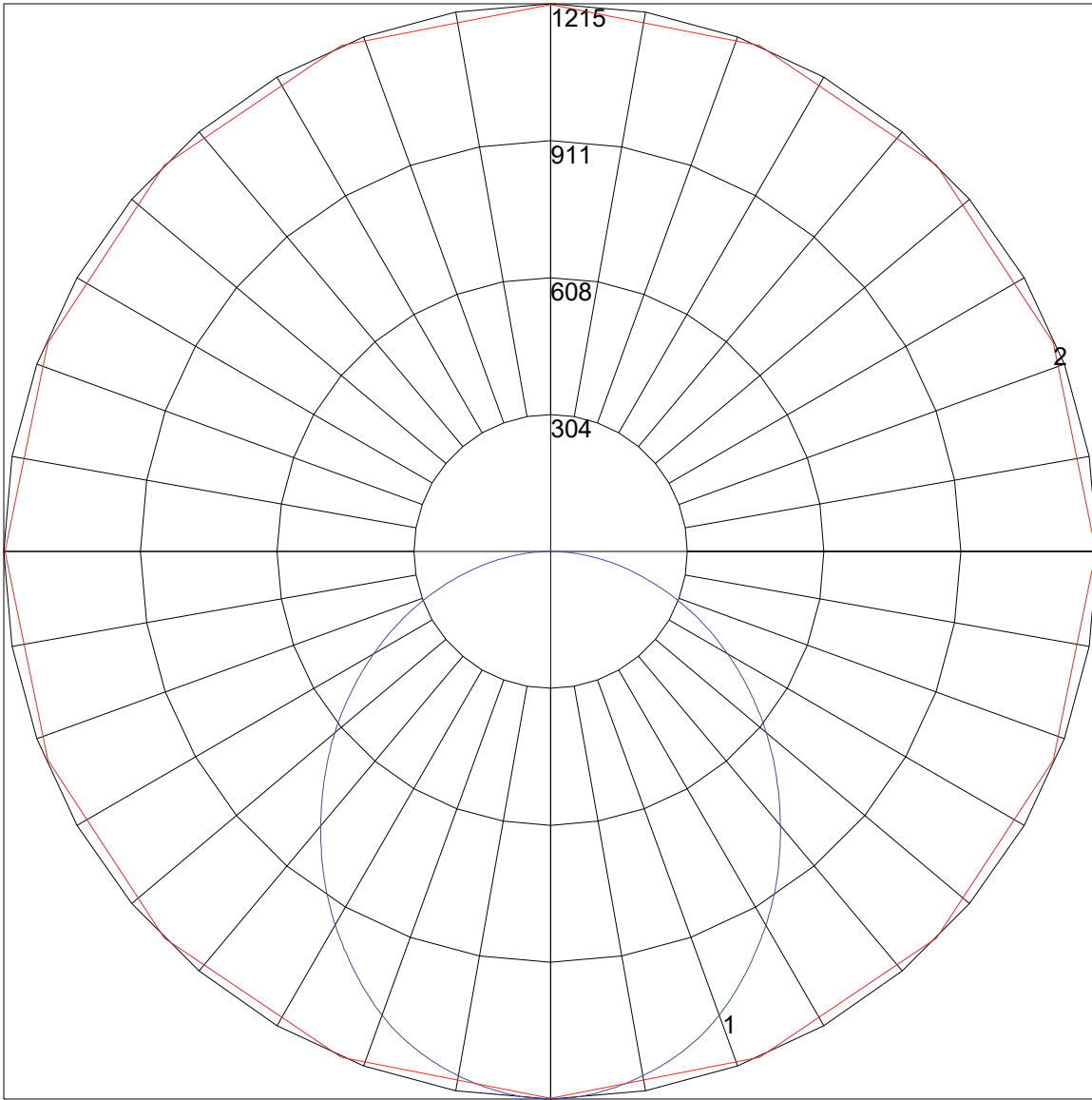
IES INDOOR REPORT
PHOTOMETRIC FILENAME : HCB01-4-BS35-ND-H-SM-SN-AW-GEN2.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0		
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0	
0	119	119	119	119	119	116	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96		106	102	98	94		97	94	91	93	91	88	90	88	86	84
2	99	91	84	78		96	89	82	77		85	80	75	82	78	74	79	75	72	70
3	90	80	72	65		88	78	71	65		75	69	63	72	67	62	70	65	61	59
4	83	71	62	55		80	69	61	55		67	60	54	65	58	53	62	57	53	51
5	76	63	54	48		74	62	54	48		60	53	47	58	52	47	56	51	46	44
6	70	57	48	42		69	56	48	42		54	47	41	53	46	41	51	45	41	39
7	65	52	43	37		64	51	43	37		50	42	37	48	41	36	47	41	36	34
8	61	47	39	33		59	47	39	33		45	38	33	44	38	33	43	37	32	31
9	57	44	35	30		56	43	35	30		42	35	30	41	34	30	40	34	29	28
10	53	40	32	27		52	40	32	27		39	32	27	38	31	27	37	31	27	25

POLAR GRAPH



Maximum Candela = 1215.072 Located At Horizontal Angle = 67.5, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)